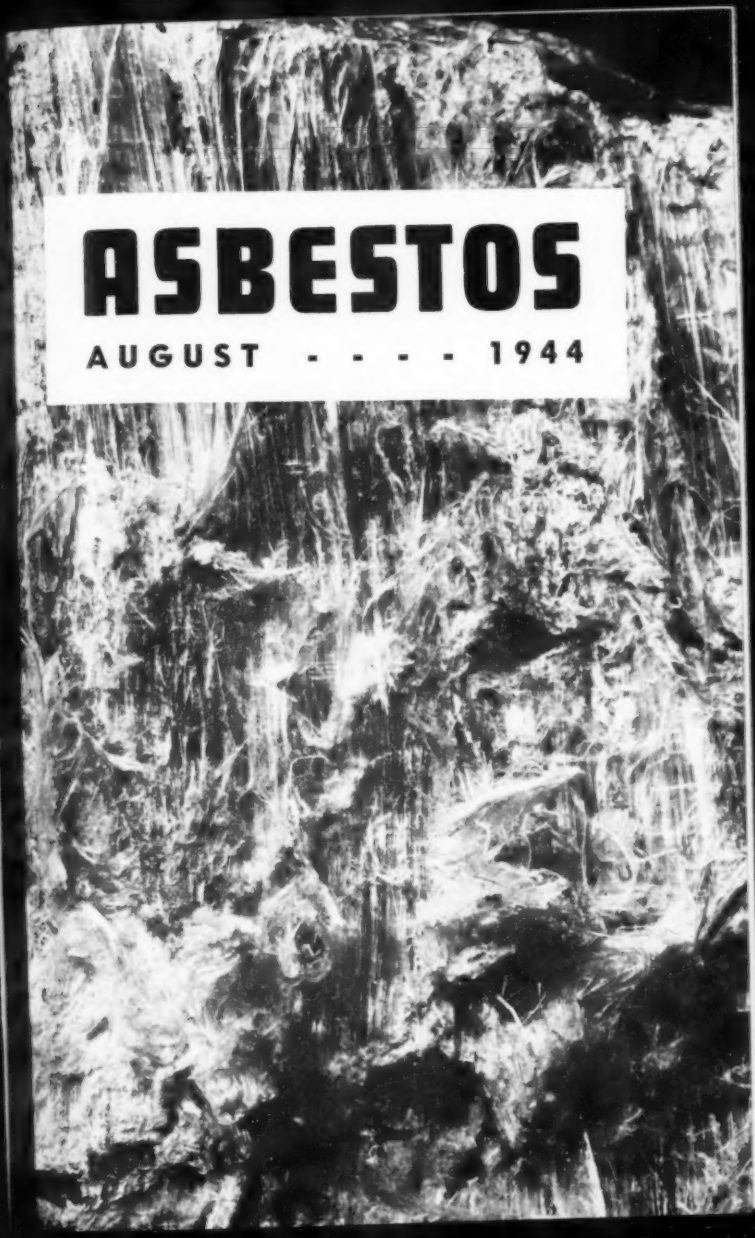
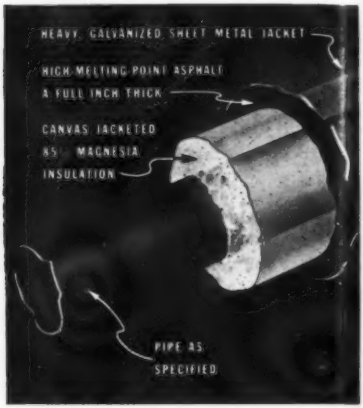
ASBESTOS

AUGUST - - - - 1944



Sectional view of Durant Insulated Pipe, showing construction features. Pipe, insulation and protection are factory-fabricated into units.



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MONTHLY SINCE THAT DATE
BY SECRETARIAL SERVICE
17th FLOOR INQUIRER BUILDING
PHILADELPHIA, 30, PENNSYLVANIA

Estate of C. J. STOVER, *Proprietor*
A. S. ROSSITER, *Editor*

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DESIRE FOR KNOWLEDGE

If there is one thing more than another which has impressed us within the last five years or so, it is the desire of the American people for knowledge.

Books are in demand; radio quizzes are popular; quiz questions are found in our daily newspapers and our monthly magazines, questions on special or general subjects, old, new, war or pre-war, technical or historical, mechanical or inventive, no matter what the subject there is vivid interest in them. A year or so ago I gave a lad of twelve a quiz book and his mother informed me afterwards that he carried it around with him practically all the time.

Knowledge has become more important than ever before. In the last year or so this may be accounted for to some extent by the army and navy courses. Men who ordinarily would never think of going to college, find these courses interesting; they are even astounded at the amount of knowledge they can acquire in a short time. Their enthusiasm affects (or infects) others.

Add to this the knowledge already acquired by the younger generation. Boys of 14 who know how to drive a car and, what's more, how to take it apart and put it together again. They know about radio, how it works; they can tell you all about airplanes and boats, bombers and tanks, distinguish the different types.

When they are ready for college a lot of them will know more than their fathers did when they were thru the four years' grind. They are forever inquiring about this, experimenting with that. Not geniuses or prodigies, just ordinary boys—your boy no doubt.

Our youth desire knowledge and, rightly directed, they will not only acquire it but put it to use.

Who can doubt but that America will prosper with her young people better prepared than ever before to take over the responsibilities of life and living.

• • • —

Plan now for Fire Protection Week—Oct. 8th to 14th.

A SEARCH FOR ASBESTOS

By W. E. Sinclair, Assoc. Inst. M. M.

W. E. Sinclair, Assoc. Inst. M. M., has spent nearly thirty years up and down Africa, putting into practice the fundamentals of mining engineering acquired at the South African School of Mines and in the mines of the Witwatersrand.

Gold mining in the Transvaal, Ashanti and the Gold Coast, and the winning of base metals (copper in the Congo, tin in Nigeria, asbestos in South Africa) economically from mother earth under varying conditions, is just a sketchy cross section of his wide experience in the mining field.

His introduction to asbestos came soon after the depression in 1934, when he reported on amosite deposits in the Malips area of the Transvaal. Since then, with a few breaks, he has mined chrysotile and examined asbestos deposits in different parts of the country.

At present he is employed on the production of crocidolite (Blue) asbestos for the Cape Asbestos Co. Ltd., as manager of their mines in the Prieska and Hay districts of the N. W. Cape. He was elected an Associate Member of the Mine Managers Association of the Transvaal in 1936.

A previous article by Mr. Sinclair, "Crude Reflections," was published in our October 1943 number.

. . . —

Undaunted pioneers and prospectors found asbestos deposits in South Africa in the early part of the nineteenth century and the quest continues today—with a difference.

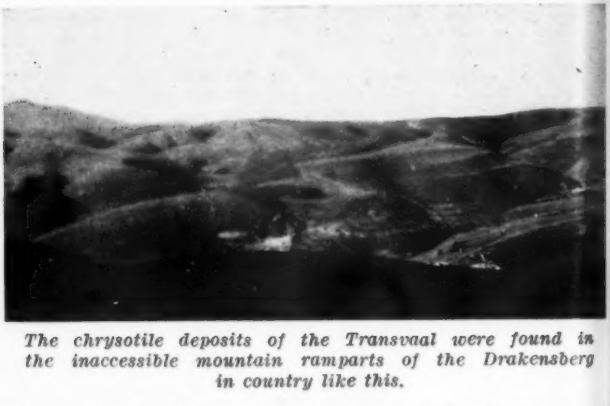
This is a record of a recent search for new asbestos deposits. It may be called just an exploratory excursion. Call it what you will, but it serves to illustrate the essential difference in the modus operandi of prospecting today as compared with the work of the early pioneers. For altho the definition of prospecting, that is, exploring, examining and testing a mineral deposit, is still the same, and the general procedure will always follow a hard and fast routine, in the modern version there is a little less of the hard and more of the fast about it.

The lot of the early prospectors was difficult in every

aspect, in fact, it was more than that; it was hazardous and hard with little reward and without even the glamor and glory of the diamond or gold prospector.

It has been said that there should never be any great difficulty in finding asbestos deposits, since the physical form of the mineral is so very obvious that any novice would find it simple to identify. That may be true, but in this country (South Africa) Nature, in her subtle way, took care to place all asbestos deposits in the most inaccessible, forsaken and often uninhabited parts, which even today, is a handicap to easy prospecting.

Just consider, for a moment, the difficulties of the unknown discoverers of, say, the crocidolite occurrences in



The chrysotile deposits of the Transvaal were found in the inaccessible mountain ramparts of the Drakensberg in country like this.

the northwest Cape. These deposits of "blue asbestos" are located in the most arid, isolated and desert-like parts of the country, which at the time of the first discovery, over one hundred years ago, were only inhabited by nomadic bands of wild Bushmen and Hottentots, people who, altho able to exist in desert wastes with very little water, were usually found not far from the banks of the Orange River, the only source of water in those early days. This shortage of water and the great summer heat must have been a severe test of endurance to the early prospectors.

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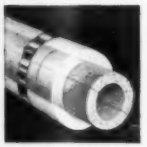

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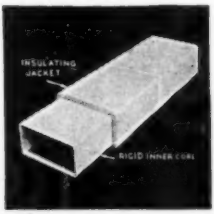

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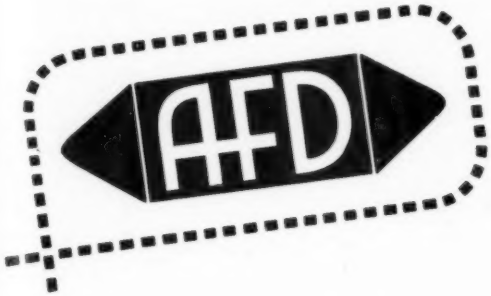
and it is not surprising, therefore, that many years passed by before serious exploitation was undertaken. This was in 1893, which year was the signal for exploration activities in other parts of the country.

It was not until 1905, however, that reports came to hand that chrysotile asbestos (sometimes called white fibre, in the Cape, as a contrast to the blue) occurrences had been found on the Drakensberg escarpment near a village, called Kaapsche Hoop, in the Transvaal. At this time this locality was without roads or railways, and therefore quite inaccessible and, situated in the mountainous mist-belt of the Eastern Transvaal, it was considered extremely unhealthy. Consequently, it was ten years later (in 1915) that energetic pioneers built roads and opened up the deposits with the aid of ox wagon transport. These deposits have since become known as the Amianthus and Munnik-Myburgh Mines, whence until fairly recently, came chrysotile asbestos of very superior quality.

Soon after the discovery of chrysotile, the resolute prospectors marched into even more inaccessible country on the eastern borders of Sekukuniland, where the ramparts of the Drakensberg Mountains are cut into precipitous slopes by the great Oliphants River and its tributaries. Here, far from roads or rail or white habitation, in the most back-o-beyond country, only sparsely populated by a few natives of the Sekukuni tribe, they found amosite, an entirely new variety of asbestos. In 1916, nine years later, these deposits were opened up and after about 20 years of persistent work by the Egnep Mines at Penge, this unknown class of asbestos was brought to the leading position of producers in Africa.

Only ten years ago, preliminary prospecting and development was started on the biggest chrysotile deposit in South Africa. This is now the Havelock Mine situated near Piggs Peak in Swaziland just over the border from Barberton in the Transvaal. Once again, these deposits are situated amongst the wildest and most inaccessible stretch of mountain country in the Union. The dominant mass of the Emlembe Mountain stands as a picturesque buf formidable barrier amongst the prominent Barberton Mountain



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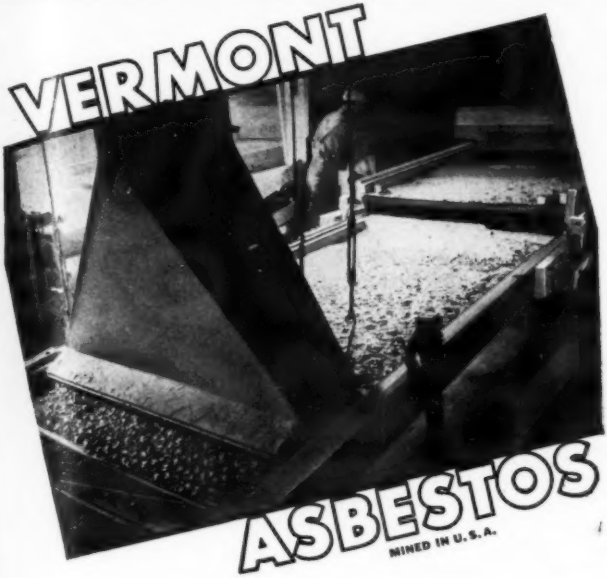
Land ranges, and effectively isolates the asbestos deposits from road or rail. This great mountain barrier and the heavy rainfall and mists, which are characteristic of this

Just consider the difficulties of the early pioneers in their search for asbestos in the arid and forsaken part of the north west Cape where crocidolite was first found over 100 years ago. The humble ox-wagon was a luxurious means of travel for the prospector in those days.

district, has not checked the exploitation of these deposits, the success of which has encouraged further investigation in these mountain lands. In fact, this is indirectly responsible for my story of a recent quest into a part of this very mountain range where the Komati River has cut a great winding valley amongst the mountains, due west of Havelock, across the Swaziland border.

A Recent Quest.

As the developments on the new Havelock Mine disclosed extensive ore bodies of high grade fibre, many stories were circulated of the existence of other undiscovered deposits hidden in the fastnesses of this high rugged countryside. These rumors were so persistent and sometimes so convincing that my company, whose ore-reserves were then at a waning stage, asked me to proceed to investigate the substance of a report of the existence of chrysotile "reefs"



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in the Komati valley. My first reaction to this vague commission was to look for something tangible to start on, and the natural thing to do was to interrogate the many Swazis who were part of our mine labor strength. Of the many conflicting and long-winded explanations, so typical of the average Bantu, it seemed that our Police Boy (N'Duna by name) at least knew the whereabouts of the Komati Valley, which was sufficient to spur me on to quickly load the car with all essentials and N'Duna himself and to start on the road to Carolina, the last dorp (town) where petrol was taken aboard for the final dash into the wilds.

After an uneventful trip of some 150 miles, near Oshoek, on the Swaziland border, my guide indicated a track to the left which led us from the high open veld country down some alarming gradients and over a surface, that obviously had once been very badly treated by wagon wheels, in the very distant past. Careful driving, however, eventually brought us to the bottom of a valley in which a mountain stream flowed down to join the Komati River. Instead of following the track downstream, we parked the car and struck across country, which N'Duna claimed would be the shortest way to the spot we were making for. The shortest route is rarely the easiest, and this was no exception to the rule. However, with the exception of a casual affray with a black mamba, the one snake which goes out of its way to tackle a human being, our trek, climbing up and down mountain spurs, was uneventful.

Finally, after reaching and crossing the Komati River, which flows sluggishly along between steep mountain slopes, some encouragement was gained from the presence of rocks of the Jamestown Series in the Swaziland System. By following this formation for some miles, outcrops of the serpentine rocks with hard chert bands, which occur in this series, formed a prominent spur of a ridge. The soft green massive serpentine, similar to that in which the Canadian and Rhodesian chrysotile is associated, is the parent rock of the main asbestos deposits in the Barberton and Swaziland fields. This rock is easily eroded and in the rough virgin country can only be traced by a detritus-filled depression running parallel to the harder serpentine body.

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It is obvious that to expose the mineralized rock formation like this, certain excavating work is really necessary. In my discursive investigation I could only look for sections exposed by the elements, usually in ravines and gullies, and eventually it was in one of these that I found traces of cross fibre seams of chrysotile. Unfortunately these were extremely disappointing and definitely of insufficient quantity or value to be classed as a payable commercial proposition, more especially when one considers the many factors which enter into this question.

Eventually it was a disappointed and dejected pair that finally gave up the quest and turned for home. Having described an arc on the outward trip, the return to the car was made on a compass bearing over new terrain. Here it was that we came across the strangest thing;—a valley opening out towards the Komati River, in which were dotted countless ruins of buildings, foundations and mine dumps, all partly overgrown by rank vegetation. This was sad evidence of a one time great mining activity, which I learned later, was the result of the discovery of rich gold veins and placer deposits in 1886, that attracted a population of over 3000 miners. In two years they established a thriving township, Steynsdorp, a town that eventually supported, amongst the inevitable saloons, a mining office and a newspaper. Values proved unpayable and the high hopes of many of those plucky and venturesome pioneers lie today in these ruins in the Steynsdorp valley.

I was tempted to linger a while in that fantastic place, but instead I went on with my mind filled with mixed ideas about the glamor and glory of prospecting, and with the feeling that, in my quest, I had at least found a valley rich (not in asbestos) but in romantic mining history.

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WOMEN ACCEPTED BY UNION AS ASBESTOS PIPE COVERERS.

As a result of intensive training for war work in the San Francisco Bay area, female workers are being accepted for the first time in the history of the asbestos workers union, as asbestos pipe coverers. Several scores of women have already attended classes in this work and are now earning full scale wages.

The Heat and Frost Insulators and Asbestos Workers Union has had its rolls closed for some time, but due to a recent demand for extra helpers in essential industries permits have been issued to members of both sexes to engage in this work for the duration of the war.

Classes in asbestos work were opened to women several months ago at the San Francisco War Production Training School. The classes have been carried on for the last two years but until last February, only men were eligible to join.

The first woman in the State of California to be graduated from this class was Beatrice Cunningham, now working at Treasure Island, where installations are constantly being expanded. This is the now greatly altered site of the Golden Gate International Exposition of a few years ago, in San Francisco Bay.

Before taking a job, women are required to put in 200 hours of classroom work at the asbestos school. Using steam pipes to work on, the students learn to cover hot water, steam and refrigeration pipes. Tools are supplied by the school. When they are actually put to work they are paid $1.50 per hour, plus transportation.

Sam Kagel, acting director of the War Manpower Commission of Northern California, says that women asbestos pipe coverers are an example of how women can be used in the war effort. He believes that 80% of war jobs could be filled by women.

Frank Williams, instructor of the classes, says: Women do very well at this type of work—practically as well as men.

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Approximately 50 women have now taken the course and are at work on jobs handling asbestos for various shipyards in the Bay area. All of them are using women in this work for the first time.

Not being eligible to enter the closed lists of the Heat and Frost Insulators and Asbestos Workers Union, the women are being admitted to the Upholsterers Union, where there will be a chance for them to continue working after the crucial war period. There is considerable sewing connected with asbestos work, and women are being given as much of this type of training as possible. As a result, it is figured they will find comparable work in sewing after the war.

SURPLUS WAR MERCHANDISE

Companies desiring to be informed regarding surplus merchandise offered for sale by the Treasury Procurement Surplus War Property Division should write to the nearest Regional Office[1] asking to have their names placed on the mailing list. It is important that the request be accompanied by a statement of the specific merchandise lines which the company normally manufactures or buys for resale.

The Asbestos products included in the present list are Asbestos and asbestos metallic packing and gaskets, to the extent of automotive parts and Asbestos woven or moulded friction material, to the extent of automotive parts (principally brake linings and clutch facings).

[1] List of Regional Offices will be supplied by "ASBESTOS" upon request.

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MARKET CONDITIONS

GENERAL BUSINESS

The July letter of the National City Bank says: "All domestic policies, markets and economic trends are bound to be influenced chiefly by news from the battlefields. The invasion has given a new incentive to war workers, and it has brought some new demands for war products as evidenced by the decision to increase tank production again . . . . On the other hand, the success of the landings gives new emphasis to the indications that business men should be as ready as possible for large scale curtailment of war production, now possibly only a few months ahead. Irrespective of the invasion, cutbacks go on, reflecting accumulation of supplies . . . . Thus the business news is a mixture of new or urgent demands and cutbacks, with more churning around than fundamental change . . . . . With the situation mixed to this extent it is not surprising that progress toward reconversion and expansion in civilian output, and even in determination of reconversion policies, is piecemeal and halting."

Since that letter was written, events which point to the interior collapse of Germany have taken place, and while this has not been unexpected few dared hope it would occur so soon; consequently the postwar calendars are being changed again, with the expectation of the end of the war in Europe at an earlier date than was previously thought possible.

Of course even if the end of the war with Germany comes within the next several months, the war with Japan will still go on—supplies not needed in Europe, most of them, will be needed in Japan, meaning that production of most war equipment must continue.

ASBESTOS - RAW MATERIAL

There is practically no change in the raw asbestos market since last month. The serious problem at the moment is shortage of labor. Despite this, supplies of most grades are fairly high. Even the so-called critical grades are in reason-

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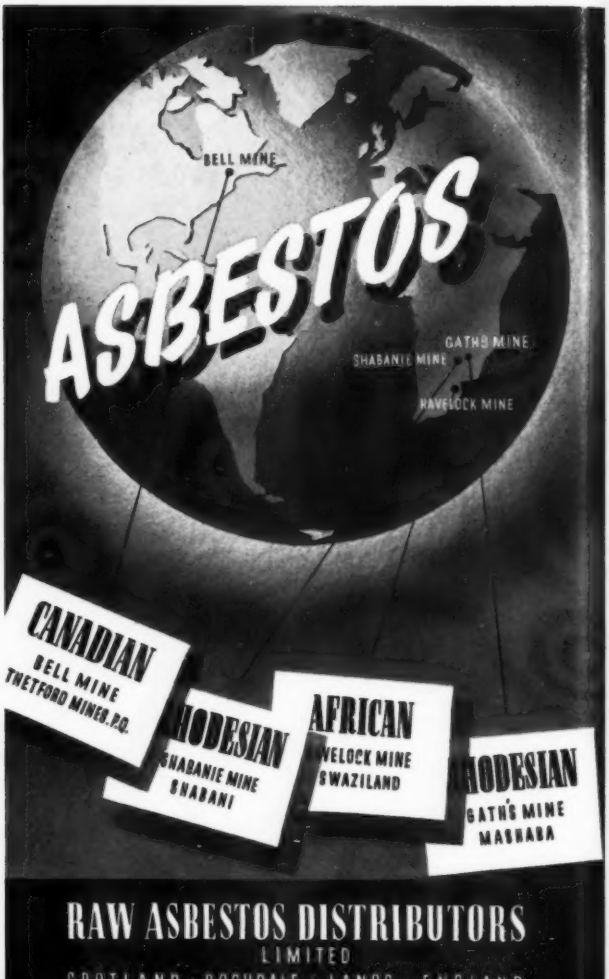
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able supply altho shipments from South Africa of C&G No. 1 and No. 2 have not been satisfactory, partially because of shipping difficulties.

ASBESTOS - MANUFACTURED GOODS

Textiles. This market is reported as somewhat unsettled at present, because the Navy requirements have increased in certain types of textiles and decreased in others. Demand, particularly from the Navy, remains very high, and because of this various suggestions are being made for increasing the supply of textiles suitable for the Navy requirements. One is the combination asbestos fibrous glass cloth (mentioned on page 18 of our May 1944 number) which will require much less asbestos yarn per square yard. We are told however, that there seems to be a preference for asbestos over glass cloth for lagging covering. Another suggestion is that if a sufficient quantity of asbestos-glass cloth cannot be produced then the erection of a completely new facility in a "free" labor area may be considered. A number of cards have also been authorized for the asbestos textile industry and more will be authorized, according to reports received.

In the meantime the industrial demand for textiles is said to be declining altho the decline has not reached serious proportions up to the present time. Prices are, of course, quite firm.

Brake Lining. Demand in this market continues steady with no indication of change in price. Manufacturers are expecting cut-backs during the last quarter of the year. In molded linings and brake blocks production is now keeping up with demand but the situation in woven linings and facings is still very tight and supply is ahead of demand.

The total sales of brake linings and clutch facings for June, 1944 increased over last June but recorded a slight decrease from May of this year. The shortage of mechanics in the various service stations and repair shops it is believed, has, to some extent, affected the sales volume in the replacement field. Total sales for domestic consumption for June were higher than those for this same month in any of the previous ten years.

Asbestos Paper. Call for asbestos paper has slightly decreased. We are told, however, that indications point to a slight upswing in about six months. Prices are reported as steady.

Asbestos Millboard. Slight decrease in Asbestos Millboard is reported, with no change indicated in the near future.

Insulation. High Pressure. This commodity is still in extensive demand, particularly in the small sizes, because of the Maritime and Navy continuing programs. Large size pipe covering has eased off and blocks are reported as actually decreasing. There appears to be sufficient volume of High Pressure Insulation business to keep the industry at a high level of production for some months to come. Prices are firm.

Insulation. Low Pressure. The market in low pressure insulation seems to have hit its lowest point, and indications are that it will stay there until reconversion of plants and release of construction material by government, when the trend will, naturally, be upward. In the meantime prices are fairly firm.

Asbestos-Cement Products. There is very little change in the market situation on asbestos-cement products, with the possible exception that the demand has shifted somewhat from board to siding and roofing shingles, the result being that shipments of the latter for the first part of this year are up substantially over the same period of 1943.

Demand keeps well ahead of the industry's ability to produce under present conditions and this situation seems likely to continue for some months to come. There is also a steady demand for wallboards, flat and corrugated sheets for industrial use so that the overall tonnage of the industry is limited only by production which in turn is limited by the labor situation since there is no shortage of any raw materials.

Demand for pipes is reported as continuing steady.

The above comments have been made by men well acquainted with field conditions in their respective lines. Comments by all our readers are welcome at any time.

CONTRACTORS AND DISTRIBUTORS PAGE

WAGE RATES FOR PIPE COVERERS

Below are given the wage rates being paid Asbestos Workers (pipe coverers) in the principal cities and insulation centers of the United States.

These rates have been taken from the July 1944 issue of The Asbestos Worker (Official Quarterly Journal of The International Association of Heat and Frost Insulators and Asbestos Workers) and are believed to be uptodate (as of July) and authentic.

Note that rates for Connecticut points are listed under Connecticut and those for Essex and Hudson Counties, N. J., under those Counties, rather than the towns therein.

Akron, O.	$1.62½	Des Moines, Ia.	1.50
Albany, N. Y.	1.50	Denver, Colo.	1.40
Albuquerque, N. M.	1.50	Detroit, Mich.	1.62½
Allentown, Pa.	1.67½	Duluth, Minn.	1.20
Amarillo, Tex.	1.62½	Essex County, N. J.	1.75
Atlanta, Ga.	1.50	Evansville, Ind.	1.60
Atlantic City, N. J.	1.67½	Fort Wayne, Ind.	1.45
Austin, Tex.	1.62½	Fort Worth, Tex.	1.62½
Baltimore, Md.	1.68¾	Galveston, Tex.	1.62½
Baton Rouge, La.	1.62½	Grand Rapids, Mich.	1.52½
Beaumont, Texas	1.62½	Great Falls, Mont.	1.50
Birmingham, Ala.	1.50	Greensboro, N. C.	1.37½
Borger, Texas	1.62½	Honolulu, Hawaii	1.58
Boston, Mass.	1.65	Houston, Tex.	1.62½
Bridgeport, Conn.	1.56¼	Hudson County, N. J.	1.75
Buffalo, N. Y.	1.75	Huntingdon, W. Va.	1.62½
Cedar Rapids, Ia.	1.50	Indianapolis, Ind.	1.50
Charleston, S. C. (Except Navy Yard)	1.50	Jackson, Mich.	1.52½
Charleston, S. C. Navy Yard	1.26	Jackson, Miss.	1.62½
Charleston, W. Va.	1.62½	Jacksonville, Fla.	1.50
Charlotte, N. C.	1.37½	Juneau, Alaska	1.51½
Chicago, Ill.	1.70	Kalamazoo, Mich.	1.52½
Cincinnati, O.	1.55	Kansas City, Mo.	1.62½
Cleveland, O.	1.62½	Knoxville, Tenn.	1.50
Columbia, S. C.	1.50	Lansing, Mich.	1.52½
Columbus, O.	1.62½	Lawrenceburg, Ind. (Distillery Plant workers only)	1.27
Connecticut	1.56¼	Little Rock, Ark.	1.50
Corpus Christi, Tex.	1.62½	Los Angeles, Calif.	1.50
Dallas, Tex.	1.62½	Louisville, Ky.	1.62½
Dayton, O.	1.50	Madison, Wis.	1.52½

Manitowoc, Wis.	1.52½
Mare Island Navy Yard Vallejo, Calif.	1.26
Memphis Tenn.	1.50
Miami, Fla.	1.50
Milwaukee, Wis.	1.52½
Minneapolis, Minn.	1.53
Mobile, Ala.	1.50
Nashville, Tenn.	1.50
Newport News, Va., (except Navy Yard)	1.43¾
New Orleans, La.	1.62½
New York City, N. Y.	2.00
Norfolk, Va. (Navy Yard)	1.26
Norfolk, Va., (except Navy Yard)	1.43¾
Oklahoma City, Okla.	1.62½
Omaha, Neb.	1.50
Pascagoula, Miss.	1.50
Pensacola, Fla.	1.50
Philadelphia, Pa.	1.67½
Phoenix, Ariz.	1.50
Pittsburgh, Pa.	1.75
Port Arthur, Tex.	1.62½
Portland, Me. (Shipyard only)	1.26
Portland, Ore.	1.51½
Portsmouth, Va., (except Navy Yard)	1.43¾
Providence, R. I.	1.50
Richmond, Va.	1.50
Rochester, N. Y.	1.65
Sacramento, Calif.	1.50
Saginaw, Mich	1.52½
Salt Lake City, Utah	1.25
San Antonio, Tex.	1.62½
San Francisco, Calif.	1.50
Savannah, Ga.	1.50
Scranton, Pa.	1.50
Seattle, Wash.	1.64½
Seneca, Ill. (Shipyard only)	1.20
Shreveport, La.	1.62½
Sioux City, Ia.	1.50
South Bend, Ind.	1.50
Spokane, Wash.	1.50
Springfield, Mass.	1.50
Springfield, Mo.	1.50
St. Louis, Mo.	1.75
St. Paul, Minn.	1.58
Syracuse, N. Y.	1.62½
Tacoma, Wash.	1.50
Tampa, Florida	1.50
Toledo, O.	1.52½
Trenton, N. J.	1.67½
Tulsa, Okla.	1.62½
Washington, D. C.	1.81½
Wausau, Wis.	1.53½
West Palm Beach, Fla.	1.50
White Plains, N. Y.	1.75
Wichita, Kans.	1.50
Wilkes-Barre, Pa.	1.50
Wilmington, Del.	1.67½
Wood River, Ill. (Oil Refinery only)	1.29
York, Pa.	1.50
Youngstown, O.	1.62½

BUILDING

The valuation of all construction contracts awarded in the thirty-seven states east of the Rocky Mountains during the first half of this year totalled $960,221,000, compared with a total of $1,851,272,000, for the first six months of 1943, according to recently released report of F. W. Dodge Corporation.

While the total of all construction contracts was down considerably, privately owned projects increased from $239,312,000 during the first six months of last year to $243,543,000 for the corresponding period of 1944. During the first half of last year privately owned projects represented only 13% of the total contract awards, and this year they represented 25% of the dollar value of all construction.

NEWS OF THE INDUSTRY

BIRTHDAYS

Edward A. Wilson, Jr., Secretary, Grant Wilson, Inc., Chicago, Ill., August 18.

Carl W. Lemmerman, President, Homestead Corporation, Hartford, Conn., August 19.

C. H. Carlough, President, Carolina Asbestos Company, Davidson, N. C., August 20.

P. E. Coombes, Secretary, Cape Asbestos Co., Limited, London, England, August 21.

F. P. Kuchenbecker, President Asbestos & Magnesia Materials Co., Chicago, Ill., August 23.

Theodore O. Dallman, Vice President, Grant Wilson, Inc., Chicago, Ill., August 27.

Matthew Balich, President, Matthew Balich Corp., New York City, N. Y., August 29.

A. W. Swartz, President, Linear Packing & Rubber Co., Philadelphia, Pa., August 31.

E. H. Pierce, Asbestos, Asphalt & Insulation Mfg. Co., Chicago, Ill., September 3.

E. H. Jeffords, General Manager, General Asbestos & Rubber Div., Raybestos Manhattan, Inc., North Charleston, S. C., September 5.

W. D. Perdoe, Vice President, Thermoid Co., Trenton, N. J., September 8.

J. Gillmur Tyson, Jr., Supt. of Production & Sales, Textile Branch, Philadelphia Asbestos Co., Philadelphia, Pa., September 14.

Walter G. Benner, Vice President & General Manager, The Nicely Corporation, Philadelphia, Pa., September 17.

To all of these gentlemen we extend congratulations and best wishes on the occasion of their birthdays.

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RAYBESTOS-MANHATTAN, INC., by advancing the date for the payment of its quarterly dividend from the 15th of the month to the 12th, is believed to be one of the first corporations in the country to assist its stockholders in this manner to accumulate the necessary funds to take care of their Federal Income Taxes. The change resulted from a suggestion by a stockholder at annual meeting on April 4, Biltmore Hotel, New York.

THE PHILIP CAREY MANUFACTURING COMPANY announces the opening of a new factory warehouse at Harrisburg, Pa., located at 154 S. 18th Street, which is a central location, just about six minutes from Downtown Harrisburg. It is near main highways and there is ample parking space in the rear at truck entrance (17th and Mulberry). The warehouse was opened to better serve central Pennsylvania.

WILLIAM P. BARRY, GEN. MGR. SMITH & KANZLER CORP.

The Smith & Kanzler Corporation, of Elizabeth, N. J., announces the appointment of William P. Barry as General Manager of the Company, succeeding William D. Smith, who died recently.

Mr. Barry has been in the employ of the Company for several years, as assistant to Mr. Smith, and is well qualified to carry on the high standard of service to its customers set by the Smith & Kanzler Corporation for the past quarter century. Mr. Barry is a native of Elizabeth and has been connected with the paper industry in various capacities for over twelve years.

DR. WALTER A. JESSUP DIRECTOR, J-M, DIES

Dr. Walter Albert Jessup, a member of the Board of Directors of Johns-Manville, and one of the country's outstanding educators, was found dead on July 7th, in his apartment in New York. Death was attributed to a heart ailment.

Dr. Jessup, who was 66, was also President of both the Carnegie Corporation and the Carnegie Foundation for the Advancement of Teaching.

He was elected to membership on the Johns-Manville Board in June 1938, when the Board's membership was broadened to include not only stockholders' interests, but direct representation of the viewpoint of the general public. Dr. Jessup was elected to provide this representation because of his outstanding career as an educator and his acute knowledge of current social and economic developments.

Johns-Manville, in the words of its President, Lewis H. Brown, has "lost a valued counselor."

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"ASBESTOS FIBRE AS A FILLER IN THE PLASTICS INDUSTRY" is the title of a four page folder recently prepared by the Asbestos Fibre Distributors Division of Johns-Manville Sales Corporation.

The folder contains a lot of information in a small space, covering the use of asbestos in plastics, telling why it is used, and giving the advantages of asbestos fillers in cold molded plastics, and in phenolic compounds, along with various other useful data.

Asbestos Fibre Distributors (22 E. 40th St., New York, 16, N. Y.) will be glad to send a copy of this folder to anyone requesting it on business letterhead.

• BLUE ASBESTOS

The Cape Asbestos Company, Ltd., is the world's largest supplier of acid-resistant blue crocidolite asbestos, and the only manufacturer operating its own mines. Inquiries solicited on:

MILLBOARD **YARNS**
ROVINGS **POWDER** **CLOTHS**
PROCESSED FIBRES
Unexcelled for use in
ASBESTOS CEMENT PIPES

• AMOSITE ASBESTOS

This fibre owing to its great length and bulk is unrivalled for use as an insulating medium in:

Asbestos mattress filler
85% Magnesia Insulation

The CAPE ASBESTOS CO. Limited
Morley House, 28-30 Holborn Viaduct, London, E.C.I.
FACTORY, BARKING, ESSEX

United States Sales Agent:
ARNOLD W. KOEHLER
415 LEXINGTON AVE. **NEW YORK CITY**
TELEPHONE—VANDERBILT 6-1477

GEORGE ROBINSON APPOINTED SECRETARY OF JOHNSON'S COMPANY

George Robinson, formerly accountant with Price Brothers Company of Rimouski, Que., Canada, for more than twenty years, has been appointed Secretary-Treasurer of the Johnson's Company of Thetford Mines.

Mr. Robinson is the son of the late A. M. Robinson, who held the position of Secretary with Johnson's Company for over fifty years. He is a graduate of Laval University of Quebec City, has had a wide experience in all branches of accounting and is thus well qualified to fill the post of the late A. M. McCammon, whose untimely death occurred on January 30th.

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RAYBESTOS PERSONNEL CHANGES

Personnel changes made as part of a general postwar plan to fortify the sales structure of The Raybestos Division, Bridgeport, Conn., have been announced by Robert B. Davis, General Manager.

Left to right—James L. McGovern, Jr., Norman Leeds, Jr., and Sidney E. Shepard.

Norman Leeds, Jr., formerly replacement sales manager, becomes general sales manager.

Sidney E. Shepard, previously sales promotion and advertising manager is now director of replacement sales.

James L. McGovern, Jr., who was eastern zone manager, becomes supervisor of replacement field sales.

Other appointments include those of Jerome W. Brush, Jr., as manager of the rubber products department; A. A. Woodruff, Jr., as manager of the industrial products department; Frank Crook as manager of transportation sales, and C. T. Bagg as director of service sales.

CAROLINA ASBESTOS COMPANY

CUSTOM MANUFACTURERS
OF
ASBESTOS TEXTILE PRODUCTS

CAROLINA ASBESTOS TEXTILES

ARE COMPLETELY ENGINEERED FOR MODERN REQUIREMENTS IN THE MANUFACTURE OF SAFETY-CLOTHING, ELECTRICAL HEATER-CORDS, DRYER-FELTS, PLASTICS AND MANY OTHER PRODUCTS REQUIRING THE USE OF ASBESTOS TEXTILES.

ASBESTOS YARN — CORD — CLOTH
ASBESTOS ROVING — TUBING — WICKING
ASBESTOS CARDED FIBRES — LISTING TAPES
OIL BURNER WICKING

CAROLINA ASBESTOS COMPANY

EXECUTIVE OFFICES:
DAVIDSON, N. C.

FACTORIES:
DAVIDSON, N. C.
MARSHVILLE, N. C.

J-M PROMOTIONS
Townsend and Johnson

Raymond P. Townsend, Sales Manager, Eastern Region, Transportation Department of Johns-Manville Sales Corporation, has been appointed General Sales Manager of Transportation Department thruout the United States and Canada with headquarters at New York. Mr. Townsend was born in Hartsdale, N. Y., and received his early training in the Purchasing Department of the New York Central Railroad; later was with the Liberty Steel Products Company and the Murphy Varnish Company. He joined Johns-Manville on March 1, 1925, serving as Sales Manager of the Eastern Region until his recent appointment.

Left—

Raymond Townsend

Right—

John D. Johnson

John D. Johnson, Divisional Sales Manager of the Transportation Department Eastern Division of the Johns-Manville Sales Corporation, has been promoted to the position of Sales Manager, Eastern Region, Transportation Department, with headquarters at New York. Mr. Johnson began his business career in the Mechanical Departments of the New York Central, Missouri Pacific and Baltimore & Ohio Railroads, from 1907 to 1919. He came with Johns-Manville as salesman in 1920 and was appointed Division Sales Manager of the Central Division at Cleveland in 1930. During 1943 he was appointed acting Sales Manager of the Eastern Division.

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JOHNS-MANVILLE reported for the second quarter of 1944 ending June 30 sales of $25,308,721, compared with $27,274,764 in the same period in 1943.

Earnings in the second quarter, after all taxes, were $1,242,193 compared with $1,059,801 in the second quarter of 1943.

For the six months ended June 30, 1944, sales were $49,759,262 compared with $51,027,660 for the first six months of 1943. Earnings for the six months of 1944 were $2,693,759, compared with $2,146,920 for the same period in 1943.

After required preferred dividends earnings equal a profit per common share of $3.12 for the first half of 1944, compared with $2.42 for the first half of 1943.

STEPHEN L. MATHEWSON, Atlanta, Ga., has been appointed Deputy Director of the Cork, Asbestos and Fibrous Glass Division of the War Production Board, to succeed the late George F. Stone, of Philadelphia, who died May 31st. Mr. Mathewson was assistant director of the division for one year. Mr. Mathewson will operate in an overall capacity, sharing with W. T. Meloy, Director, supervision of all sections in the Division, according to announcement by Mr. Meloy. In addition he will continue to handle all problems of manpower personally, or thru delegation.

JOHNS-MANVILLE. The annual meeting of stockholders of Johns-Manville Corporation was held in the offices of the Corporation on May 12, 1944, when the following members of the Board of Directors were unanimously re-elected for the ensuing year:

Walter H. Aldridge, President, Texas Gulf Sulphur Company.
Henry C. Alexander, Vice President, J. P. Morgan & Co., Inc.
Lewis H. Brown, President, Johns-Manville Corporation
John W. Hanes, Chairman of the Executive Committee, United States Lines Co.,
Walter A. Jessup, President, Carnegie Corporation of New York
Robert W. Lea, Vice President in charge of Finance, Johns-Manville Corporation
H. Edward Manville, Jr., 1st Lt. in the U. S. Army.
E. T. Stannard, President, Kennecott Copper Corp.,
Enders M. Voorhees, Chairman of the Finance Committee, United States Steel Corporation.

L. A. FOSTER CO., on August 1st, moved their office, warehouse and contract department to 1519-21 N. Broadway, St. Louis, Mo., the move having been made in order to provide better facilities for service and handling of their insulation. L. A. Foster are contractors and distributors for The Eagle Picher Lead Company.

GRANT WILSON, INC., distributors of asbestos and insulation materials, on August 1st, moved its executive offices to 141 W. Jackson Boulevard, at LaSalle Street, Suite 2254 Board of Trade Building, Chicago 4, Ill. They were formerly located at 4101 W. Taylor Street. Their new telephone number is Wabash 8220.

STANLEY W. MacKENZIE has been appointed director of purchases of the United States Rubber Company to succeed George M. Tisdale, recently elected Vice President and member of the executive committee of the company. Mr. MacKenzie was formerly assistant to the director of purchases.

CORK, ASBESTOS AND FIBROUS GLASS DIVISION ADMINISTRATION

Upon the appointment of Stephen L. Mathewson as Deputy Director of the Division (see page 33) it was also announced that:

Utley W. Smith will continue as Chief of the Asbestos Section which includes asbestos fibre and building materials. He will also be responsible for the scheduling of clutch facings and their production.

J. E. Cole will continue as Chief of the Packing and Gasket Section and will supervise friction materials other than clutch facings, the wire and cable program, and also has been given charge of the facilities expansion program for the asbestos textile industry.

Sidney Butz, Chief of the Asbestos Textile Unit, is entirely responsible for asbestos textile allocations.

THE RUBEROID COMPANY, reported for the three months ended June 30, 1944, net profit of $202,915, equal to 51 cents per share, after providing for all taxes and a reserve of $30,000 for wartime contingencies, compared with $104,204, equal to 26 cents per share, for the second quarter of 1943. Net sales in the second quarter of 1944 amounted to $7,243, 771, compared with $6,879,377 in the corresponding period last year.

For the first six months of 1944 net profit, after providing for all taxes and a reserve of $60,000 for wartime contingencies, amounted to $358,331, equal to 90c per share, compared with $250,566, equal to 63c per share in the like period of 1943. Net sales in the first half of this year amounted to $14,126,950, compared with $12,472,201 in the corresponding period of 1943, an increase of 13%.

Included in the net earnings reported are items of $28,550 in the second quarter and $49,600 in the first half of 1944, representing post-war refund of Federal excess profits taxes.

THE UNITED STATES RUBBER COMPANY for the first six months of 1944 reported net income of $5,852,827, after all charges, including provision for federal and foreign income taxes and renegotiation of war contracts. This is equal, after provision for $4.00 in dividends on the 8% preferred stock, to $1.85 a share on the 1,759,092 shares of common stock. This compared with net income of $6,912,466 or $2.44 a share on the common stock after all charges and after provision for $4.00 in dividends on the 8% preferred stock in the first half of 1943.

FIBER & METAL PRODUCTS, Downey, Calif., announce the appointment of T. R. Corbett as Factory Manager, and of R. C. Wright as General Sales Manager. Mr. Corbett has been with the company for 18 years; Mr. Wright joined F & M in 1939 as a brake lining salesman.

Our Mines,
Located in the
Danville Region, Canada,
Produce the Fibre
Used by Us
in the Manufacturing
of Our Insulations

NORRISTOWN
MAGNESIA & ASBESTOS COMPANY
NORRISTOWN, PENNSYLVANIA

THE THERMOID CO. has recently appointed Albert Grindy as Comptroller, and A. C. Teetsel as manager of Friction Materials Manufacturing.

HENRY MULRYAN, consulting mining geologist of Los Angeles, was elected president of the Globe Los Angeles Mining Company of Globe, Ariz., at its annual meeting on May 1st.

The company is the owner of the asbestos property about 40 miles northeast of Globe, Ariz., on Horseshoe Bend of the Salt River, which at present is leased to the Southwestern Asbestos Corporation.

FERODO & ASBESTOS, INC. announce the election of W. C. Dodge, Jr., as Vice President of the Company.

ASBESTOS CEMENT PRODUCTS ASSOCIATION at its recent annual meeting elected the following officers for the coming year. President, S. P. Moffit; Vice-President, E. W. (Pat) Smith; Secretary-Treasurer, Donald Tulloch, Jr.

Mr. Moffit has been vice president of The Ruberoid Co. since 1936 and now begins his fifth year as head of the Asbestos Cement Products Association. Mr. Smith is Vice President in charge of sales of the Philip Carey Mfg. Company; Mr. Tulloch has served as manager of the activities of the Association since its organization.

PATENTS

This information obtained from the Official Patent Gazette, published weekly by the U. S. Patent Office, Washington, D. C.

Copies of patents can be obtained by sending 10c (in coin) to The Commissioner of Patents, Washington, D. C., giving the patent number, date it was issued, name of patentee and name of invention.

Yarn. No. 2,350,504. Granted on June 6, 1944 to Ernest C. Geir, and Rudolph E. Semmler, New York, N. Y. Application July 16, 1943. Serial No. 494,946.

A yarn consisting of at least three threads at least one being a glass thread, at least one other being an asbestos thread, at least two of said threads being identical threads, said identical threads being twisted around one another in a single direction, said twisted identical threads and said remaining thread or threads being twisted around one another in the opposite direction and the number of turns in the second direction being in the ratio of 7 to 5.

Wall Construction and Device Therefor. No. 2,351,525. Granted on June 13, 1944 to Marshall L. Leary, Columbus, Ga. Original application January 6, 1939. Serial No. 249,545. Divided and this application May 2, 1941. Serial No. 391,505. Description upon request.

Building Construction. No. 2,351,993. Granted on June 20, 1944, to William S. Miles, Hastings-on-Hudson, N. Y., and Paul

A. Voigt, Bellerose Manor, N. Y., assignor to Johns-Manville Corporation. Application February 19, 1942. Serial No. 431,518.

A construction comprising a plurality of readily frangible covering elements, including overlapping portions, aligned perforations in said overlapping portions and a rivet of relatively soft metal of substantial malleable characteristics of lead, having a shank extending thru said aligned perforations, and substantially filling the same, and heads lying on opposite bases of said overlapping portions, said overlapping portions being held in tight engagement by said heads and shanks.

Wall Structure. No. 2,351,994. Granted on June 20, 1944 to William S. Miles, Hastings-on-Hudson, N. Y., and Paul A. Voigt, Bellerose Manor, N. Y., assignor to Johns-Manville Corporation. Application April 15, 1942. Serial No. 439,036.

A wall structure comprising a sheathing, a wall covering element mounted thereon and means of securing said wall covering element to said sheathing, said means comprising an elongated wirelike pin of springy metal penetrating said covering element and sheathing, a head on one end of said pin lying against the face of said covering element and a shank projecting thru the covering element and sheathing and wound into a cylindrical coil with the edge of the coil resiliently pressed against the rear face of the sheathing, said coil terminating in a straight bar with the end thereof lying within the space defined by the circumferential plane of said coil.

Pipe Lining. No. 2,352,768. Granted on July 4, 1944, to Wm. R. Brend, East Orange, N. J., assignor to Lock Joint Pipe Company, East Orange. Application July 23, 1943. Serial No. 495,826. Description upon request.

Collapsible Conduit. No. 2,352,876. Granted on July 4, 1944, to Ladd L. Wilson, Oxford, Ohio. Assignor to Norristown Magnesia & Asbestos Company, Plymouth, Borough of Norristown, Pa. Application July 25, 1942. Serial No. 452,361.

Conduit fabricated from unitary sheet corrugated fiber-board having an integrated strata of fireproofing substance on both sides thereof, creases formed along spaced corrugations of said fiberboard to define longitudinal sections with one of the outer sections embodying a similarly creased, relatively foldable portion to provide an overlap; attaching elements securing said overlap to the complemental outer part of the other outer section of the fiberboard, a thin sheet material insert connector device having a medially located surrounding fin; in width not exceeding the thickness of the fiberboard, rigidly coupling the adjoining ends of aligned lengths of such conduit without exterior projection; and means for attaching the adjoining ends of the conduit to the insert connector.

Plasterboard Nail. No. 2,353,110. Granted on July 4, 1944, to Thomas P. Camp, Arlington Heights, Ill. Assignor to United States Gypsum Co., Chicago, Ill. Application July 13, 1940. Serial No. 345,423. Description upon request.

Metallic Packing. No. 2,353,226. Granted on July 11, 1944, to

James Driscoll, Plainfield, and Walter M. DeWitt, Somerville, N. J. Assignors to Johns-Manville, New York. Application July 15, 1941. Serial No. 402,500.

A packing comprising a plurality of inter-related cords, each of said cords being formed of a resilient knitted metal fabric, composed of thin, narrow metal ribbons and compacted into cord form.

Insulating Tape. No. 2,353,494. Granted on July 11, 1944, to Cleo M. Patten, St. Louis, Mo., and Carleton E. Bryant, Jr., Mt. Vernon, N. Y. Assignors to Johns-Manville, New York. Application November 4, 1941. Serial No. 417,772.

A pipe covering comprising an insulating tape adapted to be spirally wound around a cylindrical pipe with one surface adjacent thereto, said tape having parting means frangibly affixed to said surface, said parting means being readily separable from said tape.

Securing Clip. No. 2,353,933. Granted on July 18, 1944 to Robert A. Schneider, Fort Washington, Pa., Assignor to Keasbey & Mattison Company, Ambler, Pa. Application September 22, 1941. Serial No. 411,935.

A clip for retaining a barbed nail in driven position, comprising an elongated body member having bearing portions adjacent to the ends thereof, a yieldable portion intermediate the bearing portions having a slit extending longitudinally of the body member, a barb receiving channel adjacent one end of the slit and a finger gripping lip at one end of the body member at right angles to the adjacent bearing portion.

PUBLICATIONS AVAILABLE

The Asbestos Factbook (2nd Edition)—Much information about asbestos, in compact form—10c per copy.

Canadian Chrysotile Asbestos Classification (reprint)—25c per copy, or 15c ea. in quantities of 10 or more.

Twelve Estimating Tables with Chart. Convenient in figuring flange fittings and other areas—$1.00 per set.

Manual of Unit Prices (for figuring pipe covering and blocks)—30c per copy postpaid.

Processing Asbestos Fibres (Reprint)—of interest to textile plant superintendents or foremen—25c per copy.

Tests for Cotton Content (Reprint from May 1944 "ASBESTOS".) 10c per copy.

Chart—Dollars Cost of Uninsulated Pipe. Reprinted from Page 27, February 1944 "ASBESTOS". 20c each

Asbestos: The Magic Mineral, by Lilian Holmes Strack. Especially interesting to school children—$1.00 per copy.

Order any of the above from "ASBESTOS", 17th Fl., Inquirer Bldg., Philadelphia, 30, Pa.

. . . —

The Area Table for Flanges compiled by Elbert R. Sitton, has been omitted this month. The publication of these tables will be resumed next month.

THIS and THAT

We understand that the Vermont Asbestos Mines has discovered in a new quarry, asbestos of a long slip-fibre type. The material, according to report, runs as long as 10 inches and is described as strong and flexible. We hope to publish a full description of it a little later on.

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The Biennial Censuses of Manufactures scheduled for 1941 and 1943 were suspended so that the facilities of the Bureau of Census could be devoted more fully to war work, but preliminary work necessary to conducting the authorized Biennial Census of Manufactures in 1946, covering 1945 production activities is already underway.

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According to the July 29th issue of the Foreign Commerce Weekly, published by the Department of Commerce, cross fibre asbestos has been located in the Lewis Brook area of Newfoundland. Some diamond drilling is planned this year to determine the extent of the deposits.

• • • —

The coal shortage for the forthcoming 12 months will be approximately 35,000,000 tons on the basis of latest estimates. If the goal of the National Fuel Efficiency Program (see page 3 of June 1944 "ASBESTOS") is attained, it will result in an approximate saving of 29,000,000 tons of coal, according to latest estimates.

• • • —

The newly developed Asbestos-fibrous glass cloth, described on page 18 of our May 1944 number, is composed of 72% asbestos fibre, 22% glass fibre, and 6% cotton yarn. This will be woven into 3-ply cloth, weighing 1¼ pounds per square yard. (According to WPB release 6201, dated July 31st.)

• • • —

The Armstrong Cork Company announces a new low temperature insulation construction—combination of Armstrong's Corkboard and Foamglas. Complete information will be supplied upon request to their Building Materials Division at 4207 Concord St., Lancaster, Pa.

CURRENT RANGE OF PRICE

As of August 10, 1944

Canadian—	Per Ton (2000 lbs.) f.o.b. Mine (In U. S. Funds)		
Group No. 1 (Crude No. 1)	$650.00	to	$750.00
Group No. 2 (Crude No. 2; Crude Run-of-Mine and Sundry)	165.00	to	385.00
Group No. 3 (Spinning or Textile Fibre)	124.00	to	233.50
Group No. 4 (Shingle Fibre)	62.50	to	82.50
Group No. 5 (Paper Fibre)	44.00	to	49.50
Group No. 6 (Waste, Stucco or Plaster)	33.00	to	34.00
Group No. 7 (Refuse or Shorts)	14.50	to	29.50

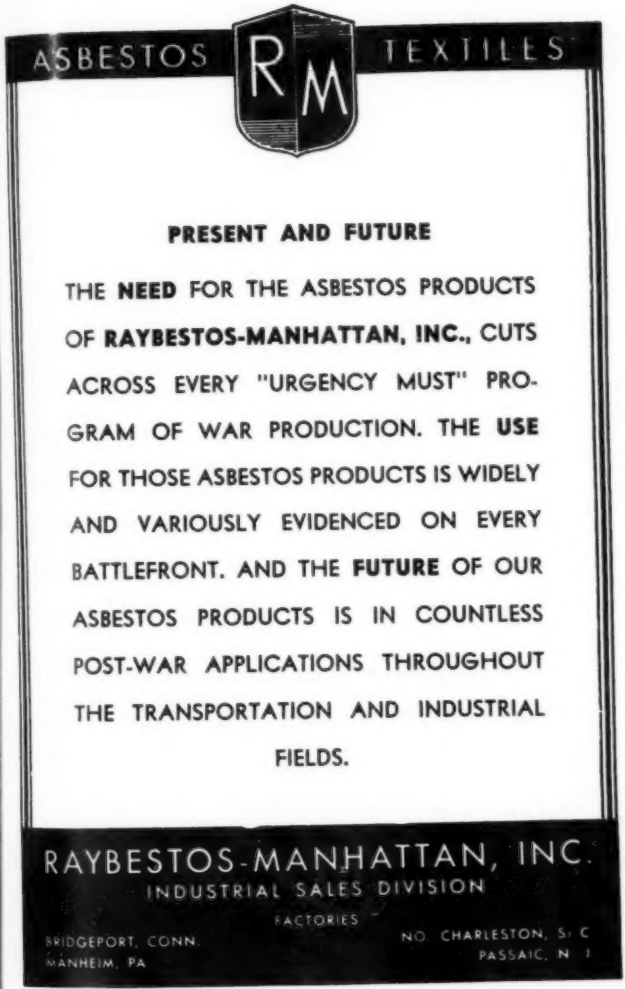
Vermont—	Per Ton (2000 lbs.) f.o.b. Hyde Park, Vt.		
Shingle Stock Fibres	$62.50	to	$65.50
Paper Stock Fibres	44.00	to	54.00
Waste			33.00
Shorts	14.50	to	28.50
Floats			19.50

Note: Crude Run-of-Mine (Canadian) refers to a crude asbestos produced in certain mines where Crude Fibre is not graded into regular No. 1 and 2 Crude. Crude Sundry refers to certain odd lots of off grade material which do not conform to the regular standards of No. 1 Crude or No. 2 Crude.

ASBESTOS STOCK QUOTATIONS

(These figures are compiled from the Commercial and Financial Chronicle. No guarantee made as to their correctness.)

		July 1944		
Armstrong Cork Co. (Com.)	np	42	45⅛	42¼
Asbestos Corp. (Com.)	np	20	22	20
Celotex (Com.)	np	13⅝	15⅛	14
Celotex (Pfd.)	20	18	20	18¾
Certainteed (Com.)	1	6½	8⅞	6⅞
Certainteed (Pfd.)	100	84½	100	96½
Flintkote (Com.)	np	22¾	28½	24
Flintkote (Pfd.)	np	106	111	110½
Johns-Manville (Com.)	np	94	99¾	96
Raybestos-Manhattan (Com.)	np	30¾	34	30¾
Ruberoid (Com.)	np	31	34⅞	31⅝
Thermoid (Com.)	1	8⅜	9¾	8¾
Thermoid (Pfd.)	10	47	54	51
U. S. Gypsum (Com.)	20	79	85¾	79¾
U. S. Gypsum (Pfd.)	100	174¼	180	180
U. S. Rubber (Com.)	10	49½	54¾	51¾
U. S. Rubber (Pfd.)	100	134	137¾	137⅛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